

DERWENT-ACC-NO: 1997-536341

DERWENT-WEEK: 199750

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TITLE: Heating bitumen-containing material - by granulating and mixing with hot heat-exchange material especially mixed sand and gravel

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PRIORITY-DATA: 1996AU-0008600 (March 11, 1996)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
AU 9715194 A	October 23, 1997	N/A	009	C10C 003/10

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
AU 9715194A	N/A	1997AU-0015194	March 10, 1997

INT-CL (IPC): C10C003/10

ABSTRACTED-PUB-NO: AU 9715194A

BASIC-ABSTRACT:

A bitumen-containing material is crushed and mixed with a hot granular heat exchange material such that it is heated to required temperature. Preferably the heat exchange material is a mixture of sand and gravel and at 170 - 375 deg. C and the bituminous material is heated to at least 170 deg. C; further bitumen may then be added to the mixture. Apparatus includes a rotary drier through which the heat-exchange material passes for heating. Mixing may be carried out in a pug mill preheated so that materials remain heated during mixing.

USE - Production of paving material using material recovered from existing sites such as roads, airfields, sports grounds, playgrounds, footpaths, and cycle tracks.

ADVANTAGE - Effective recycling of large amounts of material recovered during, e.g. the complete re-building of a road.

CHOSEN-DRAWING: Dwg.0/1

TITLE-TERMS: HEAT BITUMEN CONTAIN MATERIAL GRANULE MIX HOT HEAT EXCHANGE MATERIAL MIX SAND GRAVEL

DERWENT-CLASS: H08 L02

CPI-CODES: H08-B; L02-D09; L02-D10;

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1997-171549